



# LP SERIES

## Multi-Bag Filter Housings

- Multi-Bag Filter Housing
- ASME Design/Non-Code
- SS304 and SS316 are NSF/ANSI/CAN 61 certified

Economic multi-purpose ASME code ("U" & "UM") and non-code design bag filter housings.



### SUITABLE USES



Air &amp; Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil &amp; Gas



Chemical



Pulp &amp; Paper



Power



Marine



Equipment

### MEDIA

Accepts multiple double length (P2) bags.

### DESIGN PRESSURE

150 psig (10.3bar) @ 250°F (121.1°C).

### AVAILABLE MATERIALS

Carbon or Stainless Steel 304 or 316\*. Also available in C276, AL6XN, 2205, 2507 & Monel 400.

*\*NSF/ANSI/CAN 61 certification available for SS304 and SS316 (S4LP/S6LP).*

### ADDITIONAL FEATURES

Allows for easy filter bag removal without ladders or platforms to change filter bags.

Swing bolt closure allows for quick bag change out.



Certified to  
NSF/ANSI/CAN 61

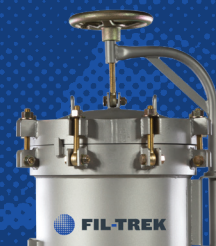
*Custom sizes, configurations, materials of construction and other options may be available. Please contact Fil-Trek.*

*For drawings, flow charts, custom applications and filter cartridge information please visit [www.fil-trek.com](http://www.fil-trek.com).*

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## HOUSING SPECIFICATIONS

\*Indicates standard configuration

|                             |                                                                               |
|-----------------------------|-------------------------------------------------------------------------------|
| <b>Inlet/Outlet</b>         | 2" Flange - 18" Flange                                                        |
| <b>Dirty Drain</b>          | ½" NPT on all sizes*                                                          |
| <b>Clean Drain</b>          | 2" NPT on all sizes*                                                          |
| <b>Vent</b>                 | ½" NPT on all sizes*                                                          |
| <b>Gauges</b>               | ½" NPT on all sizes*                                                          |
| <b>Basket</b>               | ½" on ¾" perforated plate*<br>*Other basket options available                 |
| <b>Headlift</b>             | Mechanical Davit (std) for up to LP38*<br>Hydraulic Davit on LP40 and larger* |
| <b>Legs</b>                 | Angle Iron Legs with footpads*                                                |
| <b>Closure</b>              | Swing bolt closure*                                                           |
| <b>Standard Pressure</b>    | 150 PSI                                                                       |
| <b>Standard Temperature</b> | 250°F (121.1°C)                                                               |
| <b>Certifications</b>       | U, UM, CE, NB, CRN                                                            |

## MODEL FLOW RATES

| MODEL | # OF BAGS | FLOW RATE (GPM) | MAX FLANGE |
|-------|-----------|-----------------|------------|
| LP16  | 2         | 250             | 4"         |
| LP18  | 3         | 375             | 6"         |
| LP20  | 4         | 500             | 6"         |
| LP22  | 5         | 625             | 6"         |
| LP24  | 6/7       | 750/875         | 6"         |
| LP26  | 7         | 875             | 8"         |
| LP28  | 8         | 1000            | 8"         |
| LP30  | 10        | 1250            | 8"         |
| LP32  | 12        | 1500            | 8"         |
| LP34  | 13        | 1625            | 10"        |
| LP36  | 14        | 1750            | 10"        |
| LP38  | 17        | 2125            | 10"        |
| LP40  | 18        | 2250            | 10"        |
| LP42  | 19        | 2375            | 10"        |
| LP44  | 22        | 2750            | 12"        |
| LP46  | 25        | 3125            | 12"        |
| LP48  | 26        | 3250            | 14"        |
| LP50  | 30        | 3750            | 14"        |
| LP52  | 32        | 4000            | 16"        |
| LP54  | 35        | 4375            | 16"        |
| LP56  | 38        | 4750            | 16"        |
| LP58  | 40        | 4750            | 16"        |
| LP60  | 41        | 5125            | 18"        |

\*Flow rates above are based on water at 125gpm per filter bag, using 10 micron single layer filter bags with a clean pressure drop of 2psi. When operating using baskets only, each basket can flow up to 200gpm. Actual flow rates are dependent on fluid viscosity, bag micron rating, type of filter bag, and contaminant. Please contact Fil-Trek for assistance with sizing.

## MATERIAL OF CONSTRUCTION

| MATERIAL OF CONSTRUCTION | MAX. OPERATING PRESSURE | MAX. DESIGN TEMP |
|--------------------------|-------------------------|------------------|
| Carbon Steel             | 150 psi (10.3bar)       | 250°F (121.1°C)  |
| 304 Stainless Steel*     | 150 psi (10.3bar)       | 250°F (121.1°C)  |
| 316 Stainless Steel*     | 150 psi (10.3bar)       | 250°F (121.1°C)  |

\*NSF/ANSI 61 certification available for SS304 and SS316 (S4LP/S6LP).

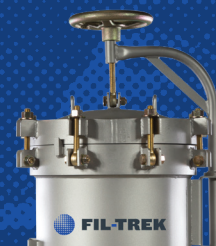


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For more information, e-mail: [info@fil-trek.com](mailto:info@fil-trek.com) or visit [Fil-Trek.com](http://Fil-Trek.com)

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## HOUSING OPTIONS

\*Indicates standard configuration

|                              |                                                                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Configuration Options</b> | <b>(-) A – Side in/side out*</b><br>B – In-Line side in/side out<br>C – Side in/Bottom out<br>D – Side in/Side out, Same Side                                                                           |
| <b>Basket Options</b>        | <b><math>\frac{1}{8}</math>" on <math>\frac{3}{16}</math>" perforated basket*</b><br>MB ____ - Mesh lined basket<br><i>(insert mesh size in open space)</i>                                             |
| <b>Finish Options</b>        | <b>(-) Paint "National Blue" (std for CS)*</b><br><b>(-) Bead Blast (std for SS304 or SS316)*</b><br>EP1 – Electro polish Inside/Outside<br>EP2 – Inside only<br>EP3 – Outside only<br>PP – Passivation |
| <b>O-Ring Options</b>        | <b>(-) Buna-N*</b><br>ED – EPDM<br>VI – Viton<br>SI – Silicone<br>TEV – Teflon encapsulated Viton                                                                                                       |
| <b>Accessories</b>           | Direct Reading Gauge<br>DP Gauge<br>Safety Relief Valves<br>Vent Valves<br>Drain Valves<br>Air Eliminator<br>Omega Springs<br>Balloon/Liquid Displacer<br>Bag Magnets                                   |

## MODEL DIMENSIONAL DETAILS

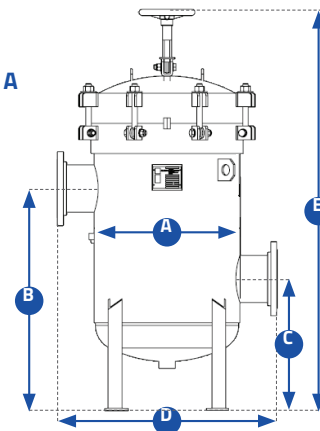
| MODEL | # OF BAGS | SHIPPING WGT (LBS) | A      | B     | C   | D   | E    |
|-------|-----------|--------------------|--------|-------|-----|-----|------|
| LP16  | 2         | 300                | 16.50" | 30"   | 18" | 28" | 55"  |
| LP18  | 3         | 400                | 18.50" | 34"   | 20" | 30" | 61"  |
| LP20  | 4         | 450                | 20.50" | 34"   | 20" | 34" | 62"  |
| LP22  | 5         | 550                | 22.50" | 36"   | 22" | 36" | 66"  |
| LP24  | 6/7       | 600                | 24.50" | 36"   | 22" | 38" | 67"  |
| LP26  | 7         | 750                | 26.50" | 40.5" | 24" | 40" | 74"  |
| LP28  | 8         | 850                | 28.50" | 40.5" | 24" | 44" | 74"  |
| LP30  | 10        | 950                | 30.50" | 40.5" | 24" | 46" | 76"  |
| LP32  | 12        | 1150               | 32.63" | 42.5" | 26" | 48" | 80"  |
| LP34  | 12        | 1,400              | 34.63" | 47"   | 28" | 52" | 84"  |
| LP36  | 14        | 1,500              | 36.63" | 47"   | 28" | 54" | 84"  |
| LP38  | 17        | 1,750              | 38.63" | 47"   | 28" | 56" | 86"  |
| LP40  | 18        | 1,825              | 40.63" | 50"   | 30" | 58" | 82"  |
| LP42  | 19        | 2,125              | 42.75" | 50"   | 30" | 60" | 82"  |
| LP44  | 22        | 2,375              | 44.75" | 55"   | 32" | 64" | 88"  |
| LP46  | 25        | 2,625              | 46.75" | 57"   | 34" | 66" | 92"  |
| LP48  | 26        | 3,000              | 48.88" | 61"   | 36" | 66" | 98"  |
| LP50  | 30        | 3,250              | 50.88" | 61"   | 36" | 70" | 98"  |
| LP52  | 32        | 3,500              | 52.88" | 61"   | 36" | 72" | 98"  |
| LP54  | 35        | 4,000              | 54.88" | 61"   | 36" | 74" | 98"  |
| LP56  | 38        | 4,250              | 56.88" | 63"   | 38" | 76" | 102" |
| LP58  | 40        | 4,625              | 58.88" | 63"   | 38" | 80" | 102" |
| LP60  | 41        | 5,000              | 60.88" | 63"   | 38" | 82" | 102" |

Dimensions above are based on standard configuration 'A', side in/side out. Contact factory for weights and dimensions for all other model configurations.

## CHART LEGEND

- A** OUTSIDE DIAMETER
- B** FLOOR TO INLET
- C** FLOOR TO OUTLET
- D** FACE TO FACE
- E** OVERALL HEIGHT

Style A



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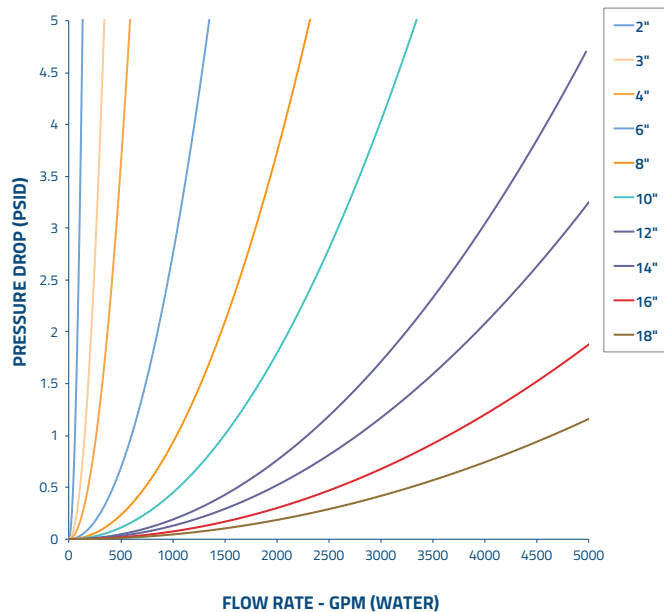
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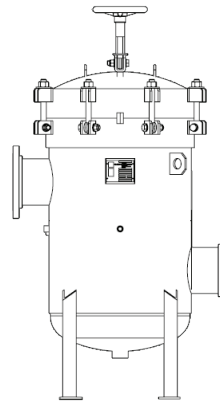
## FLOW CHARTS

### HOUSING PRESSURE DROP vs LIQUID FLOW RATE

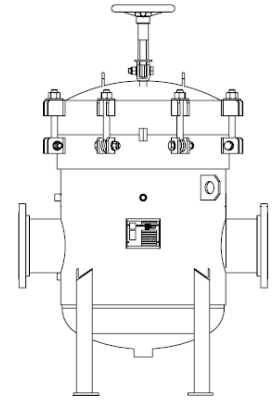


## MODEL CONFIGURATIONS

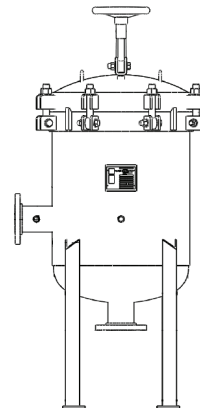
**Style A:** Side in/side out  
LP Standard Design



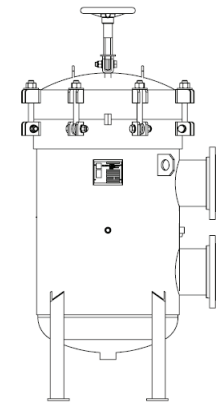
**Style B:** In-Line side in/out



**Style C:** Side in/bottom out



**Style D:** Same side in/out



## PRODUCT NOMENCLATURE

| S6                                       | LP                                | 18                      | 3                   | 12                   | 6F                     | A                                                                                 | 150                    | -                     |
|------------------------------------------|-----------------------------------|-------------------------|---------------------|----------------------|------------------------|-----------------------------------------------------------------------------------|------------------------|-----------------------|
| <b>MATERIAL</b>                          | <b>MODEL</b>                      | <b>HOUSING DIAMETER</b> | <b># OF BASKETS</b> | <b>BASKET LENGTH</b> | <b>CONNECTION TYPE</b> | <b>MODEL CONFIGURATION</b>                                                        | <b>DESIGN PRESSURE</b> | <b>OPTIONS</b>        |
| (-) – CS<br>S4 – SS304**<br>S6 – SS316** | LP – ASME Code*<br>ELP – Non-Code | See Table               | See Table           | 12 – Size 2          | See Table              | A – Side in/out*<br>B – In-line<br>C – Side in/bottom out<br>D – Same side in/out | 150                    | See "Housing Options" |

\*LP series is an ASME code stamped housing. This vessel is also available in an industrial non-code design. For non-code, add the prefix "E" to the LP in the part number.

\*\*NSF/ANSI 61 certification available for SS304 and SS316 (S4LP/S6LP).



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